



A.D. 1847 N^o 11,708.

S P E C I F I C A T I O N

OF

WILLIAM EDWARD NEWTON.

MANUFACTURE OF CAPSULES.

L O N D O N :

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NEWTON'S SPECIFICATION.

TO ALL TO WHOM THESE PRESENTS SHALL COME, I, WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, send greeting.

WHEREAS Her present most Excellent Majesty Queen Victoria, by Her
5 Royal Letters Patent under the Great Seal of Great Britain, bearing date at Westminster, the Twenty-second day of May, in the tenth year of Her reign, did, for Herself, Her heirs and successors, give and grant unto me, the said William Edward Newton, Her especial licence, full power, sole privilege and authority, that I, the said William Edward Newton, my exe-
10 cutors, administrators, and assigns, and such others as I, the said William Edward Newton, my executors, administrators, or assigns, should at any time agree with, and no others, from time to time and at all times during the term of years therein mentioned, should and lawfully might make, use, exercise, and vend, within England, Wales, and the Town of Berwick-upon-
15 Tweed, and in all Her Majesty's Colonies and Plantations abroad, and in the Islands of Guernsey, Jersey, Alderney, Sark, and Man, an Invention of "A NEW OR IMPROVED INSTRUMENT OR APPARATUS FOR MAKING OR MANUFACTURING CAPSULES FOR ENCLOSING MEDICINAL PREPARATIONS OR OTHER LIQUID OR SOLID SUBSTANCES," being a communication from a Foreigner residing abroad; in
20 which said Letters Patent is contained a proviso obliging me, the said William Edward Newton, by an instrument in writing under my hand and seal, particularly to describe and ascertain the nature of the said Invention, and in what manner the same is to be performed, and to cause the same to be enrolled in Her Majesty's High Court of Chancery within six calendar months

Newton's Improved Apparatus for Manufacturing Capsules.

next and immediately after the date of the said in part recited Letters Patent, as in and by the same, reference being thereunto had, will more fully and at large appear.

NOW KNOW YE, that in compliance with the said proviso, I, the said William Edward Newton, do hereby declare that the nature of the said 5 Invention, and the manner in which the same is to be performed, is particularly described and ascertained in and by the following description thereof, reference being had to the Drawing hereunto annexed, and to the letters and figures marked thereon (that is to say) :—

The improved instrument which forms the subject of the above in part 10 recited Letters Patent consists of the following parts, which are represented in the accompanying Drawing at Figures 1, 2, 3, and 4, the latter of which is a vertical section taken diagonally through Figure 1 at *z, z*, when the parts have been all combined.

In Figure 1, A represents a plate of metal or hard wood, which may be 15 about three eighths of an inch in thickness, and of any suitable form, pierced with round holes of any convenient size according to the size of the capsule required to be produced. These holes are made at equal distances apart, and their edges rise some extent above the body of the plate so as to present the appearance of a number of tubes. There is a rim or ridge *a, a, a*, round 20 this plate of any suitable width, say from a quarter to half an inch.

Figure 2 represents a frame B of the same dimensions as the rim of the plate A, and in other respects precisely similar to the rim *a, a, a*, round the plate A on which it is intended to be applied, and it is provided with guide pieces to attach it to the plate A; another plate C, shown at Figure 3, and 25 similar in construction to the internal part of the plate A, minus the rim which surrounds it, is made so as to fit accurately on to it and into the frame B which is placed thereon. The circular holes of this plate must correspond exactly with those of the plate A, and be similar in all its parts except that the plate C is twice the thickness of the former. The following 30 is the method of manufacturing capsules with this instrument:—A paste composed of sugar, gum, and a small quantity of honey and gelatine, or any other suitable composition, is spread out into thin sheets. The frame B is then placed bottom upwards, that is to say, with its angular fastenings upwards, and a sheet of the material is laid upon it. The liquid to be enclosed 35 is then poured into the cavity presented by the sheet of gelatinous material of which the capsules are to be formed, and the whole is covered over with another sheet of the gelatinous material, which is wetted at the edges so as to cause it to adhere to the under one; by this means the liquid is

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enclosed in a kind of large capsule or bag. The plate A is then laid on it, and slight pressure is applied in order to cause the edges of the two sheets of material to adhere well together. The apparatus is then turned over, and the plate C is introduced into the frame B, and on applying suitable pressure the
 5 capsules D, D, D, will be completed, as shewn in the sectional view Figure 4.

Having now described the Invention that has been communicated to me by my Foreign Correspondent as aforesaid, I would observe that it will be evident that various modifications may be made in the form of the apparatus as well as in the form, size, and number of the holes, and the ingredients or
 10 materials of which the capsules are composed, without departing from the character and object of the Invention. I do not, therefore, mean to confine myself to the above details, which have only been given as one of the forms of carrying out the Invention, nor do I intend to claim the exclusive right of enclosing liquid or solid matters in capsules composed of gelatinous or gummy
 15 matters. But that which I consider to be new, and therefore wish to claim as the Invention secured to me by the herein-before in part recited Letters Patent, is, making or producing capsules by means of an instrument or apparatus similar in its mode of operation to that above shewn and described, or any modification thereof.

20 In witness whereof, I, the said William Edward Newton, have hereunto set my hand and seal, this Twelfth day of November, in the year of our Lord One thousand eight hundred and forty-seven.

W. E. (L.S.) NEWTON.

25 **AND BE IT REMEMBERED**, that on the same Twelfth day of November, in the year above mentioned, the aforesaid William Edward Newton came before our Lady the Queen in Her Chancery, and acknowledged the Specification aforesaid, and all and every thing therein contained, in form above written. And also the Specification aforesaid was stamped according to the
 30 tenor of the Statute in that case made and provided.

Inrolled the Twenty-second day of November, in the year above written.

LONDON :

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